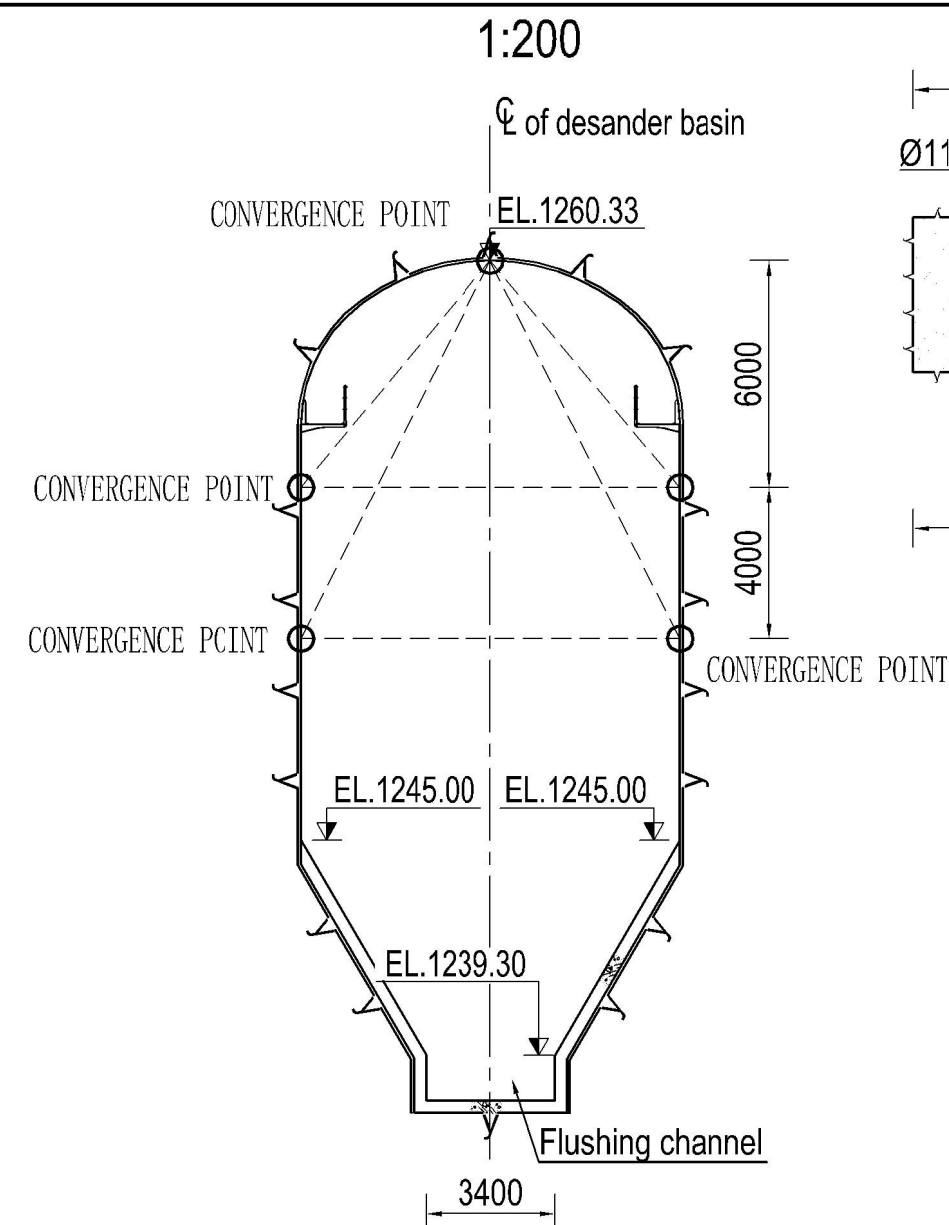
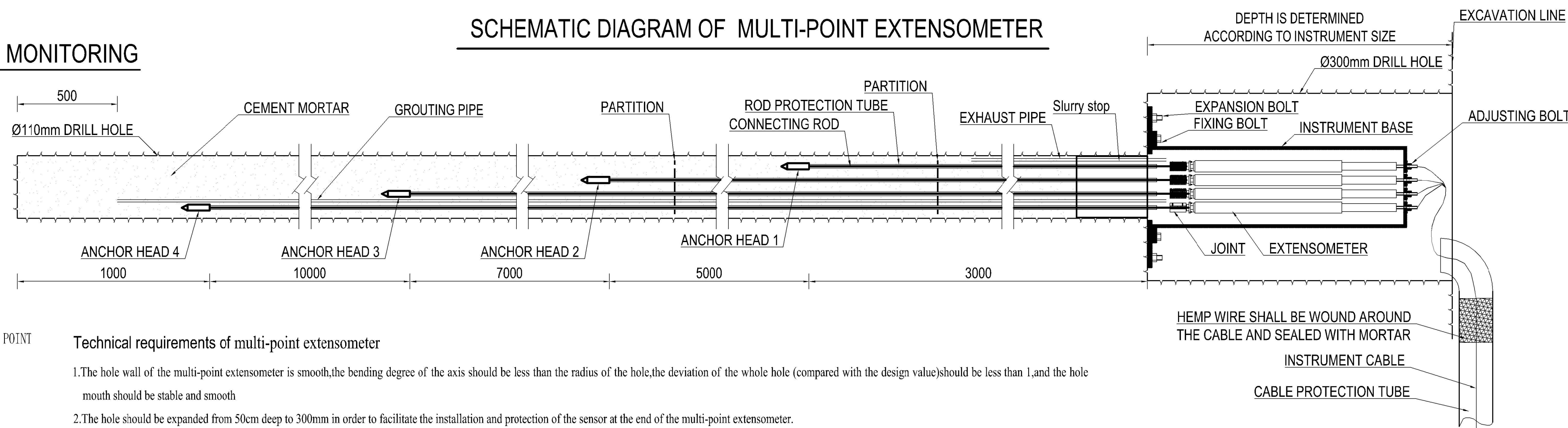


TYPICAL SECTION FOR CONVERGENCE MONITORING



SCHEMATIC DIAGRAM OF MULTI-POINT EXTENSOMETER



Technical requirements of multi-point extensometer

- 1.The hole wall of the multi-point extensometer is smooth,the bending degree of the axis should be less than the radius of the hole,the deviation of the whole hole (compared with the design value)should be less than 1,and the hole mouth should be stable and smooth
- 2.The hole should be expanded from 50cm deep to 300mm in order to facilitate the installation and protection of the sensor at the end of the multi-point extensometer.
- 3.After drilling,it should be washed (blown by high pressure wind),checked the unobstructed condition of drilling,and measured the depth,orientation and inclination Angle of drilling.
- 4.The drilling conditions should be recorded in the process of drilling to understand the geological conditions of surrounding rock and facilitate the accurate positioning of anchor head of multi-point extensometer.
- 5.The joint between the protective pipe and the joint between the protective pipe and the anchor head must be sealed.Bind the assembled multi-point extensometer,grouting pipe and exhaust pipe segment by segment,and mark each meter of protective tube with colored adhesive tape,and then slowly feed into the hole. The grouting pipe of the vertical hole and the upward hole is at the mouth of the hole, and the exhaust pipe is at the bottom of the hole. The grouting pipe of the horizontal hole is at the lower part of the hole, and the exhaust pipe is at the upper part of the hole.
- 6.Backfill grouting should ensure full grouting of borehole.Grouting can be suspended after the exhaust pipe discharge thick slurry.Grouting can be done again after 15 minutes,and the grouting pipe will be tied to close the grouting after the exhaust pipe has discharged the thick slurry again.
- 7.24 hours after the final grout setting,fix the sensor device,draw out the cable,install the protective cover and hole protection cover,and obtain the initial reading.
- 8.After installation,spray the instrument number on the concrete or rock near the measuring point with red paint.

NOTE

1. This set of drawings is the monitoring layout of desander basin.
2. All dimensions are in millimeters, and coordinates, chainage and elevation are in meters. The rest shall be subject to the figure.
3. Other see sheet1.

Scale:

1:200 0 2 4 6 8 10m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	LAYOUT DRAWING OF DESANDER BASIN
UT1-C-845-CVL-DG-70012	LAYOUT DRAWING OF MONITORING FOR TAILRACE TUNNEL
UT1-C-845-CVL-DG-70006	LAYOUT DRAWING OF MONITORING FOR INVESTIGATION TUNNEL

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL. IT CAN BE CHANGED IN THE EXECUTION STAGE. THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
DB					
QA	7.MAY.2022	FIRST ISSUE	曹永城	袁永青	曹永城

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER



OWNER'S ENGINEER



CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

MONITORING LAYOUT DRAWING OF DESANDER BASIN

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-845-CVL-DG-70011-2	2 OF 2	QA

A1 (594



0 6 2 U N E U P K 1 0 4 9